

WHAT IS CLAIMED IS:

- 1 1. A liquid ejecting apparatus comprising:
2 a liquid ejecting head, having a nozzle from which a liquid is ejected;
3 a capping unit, sealing the liquid ejecting head;
4 a tube pump, applying a negative pressure to the capping unit by
5 rotating operation to suck a fluid; and
6 a controller, varying a rotation speed of the tube pump,
7 wherein the controller rotates the tube pump at a first rotation speed
8 for a first predetermined time; and
9 wherein the controller rotates the tube pump at a second rotation
10 speed lower than the first rotation speed for a second predetermined time after
11 rotating the tube pump at the first rotation speed for the first predetermined
12 time.
- 1 2. The liquid ejecting apparatus as set forth in claim 1, wherein the first
2 predetermined time is a time from a start of the rotating operation of the tube
3 pump to when a suction speed at which the tube pump sucks the fluid reaches
4 a predetermined value.
- 1 3. The liquid ejecting apparatus as set forth in claim 1, wherein a
2 plurality of rotation speeds of the tube pump capable of increasing a suction
3 speed of the fluid to a predetermined value are set to the controller;
4 wherein the controller rotates the tube pump at one rotation speed of
5 the set rotation speeds of the tube pump for a predetermined time; and

6 wherein the controller rotates the tube pump at another rotation speed
7 of the set rotation speeds of the tube pump lower than the one rotation speed
8 for a predetermined time after rotating the tube pump at the one rotation speed.

1 4. A method for controlling a liquid ejecting apparatus, comprising the
2 steps of:

3 providing a liquid ejecting head which has a nozzle from which a
4 liquid is ejected;

5 providing a capping unit which seals the liquid ejecting head;

6 providing a tube pump which applies a negative pressure to the
7 capping unit by rotating operation to suck a fluid;

8 setting a plurality of rotation speeds of the tube pump capable of
9 increasing a suction speed of a fluid to a predetermined value;

10 rotating the tube pump at one rotation speed of the rotation speeds of
11 the tube pump for a predetermined time in a high speed rotation stage; and

12 rotating the tube pump at another rotation speed of the rotation
13 speeds lower than the one rotation speed for a predetermined time in a low
14 speed rotation stage after the step of rotating the tube pump in the high speed
15 rotation stage.

1 5. The method as set forth in claim 4, wherein the rotating of the tube
2 pump in the low speed rotation stage is performed when the suction speed of
3 the fluid is reached the predetermined value in the high speed rotation stage.

1 6. The method as set forth in claim 4, wherein the rotating of the tube

2 pump in the low speed rotation stage is performed when a time predicted that
3 the suction speed of the fluid is reached the predetermined value is elapsed in
4 the high speed rotation stage.

1 7. The method as set forth in claim 4, wherein the rotating of the tube
2 pump in the high speed rotation stage and the rotating of the tube pump in the
3 low speed rotation stage are successively performed.